

ABSTRACT OF THE DISCLOSURE

WEIGHTED ERROR/ERASURE CORRECTION IN A MULTI-TRACK
STORAGE MEDIUM

5 A method, computer program product, and data
processing system for recovering corrupted data in a
multi-track storage medium, such as magnetic tape, using
a Reed-Solomon or other similar error correcting code
system, is disclosed. A correction history keeping a
10 tally of actual corrected instances of corruption in the
storage medium is established. The "N" tracks requiring
the greatest number of actual error corrections are
designated as erasures. Any errors in the remaining
tracks must be found on an individual basis before being
15 corrected.